

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-35. (Canceled)

36. (Currently Amended) A medical device comprising:

a suction conduit capable of removing material from a body lumen and configured to provide suction at a distal region of the medical device;

an optic fiber configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit; and

a barrier positioned beyond a distal end of the suction conduit such that a gap is formed between the barrier and the distal end of the suction conduit, the barrier including a channel housing the optic ~~optical~~ fiber;

wherein the size of the gap is configured to limit the size of objects removed through the suction conduit.

37. (Previously Presented) The medical device of claim 36, wherein the optic fiber comprises a plurality of optic fibers intertwined together in a bundle.

38. (Previously Presented) The medical device of claim 36, wherein the optic fiber comprises an optical core of a material composition, the material composition forming an enlarged distal end of the optic fiber.

39. (Previously Presented) The medical device of claim 36, wherein the optic fiber has an angled tip.

40. (Previously Presented) The medical device of claim 36, wherein a distal region of the optic fiber comprises an unclad optical core and a reflective coating.

41. (Previously Presented) The medical device of claim 36, wherein a distal region of the optic fiber defines at least one side window to allow emission of the energy.

42. (Previously Presented) The medical device of claim 36, wherein the source of energy is a holmium laser.

43. (Previously Presented) The medical device of claim 36, wherein the barrier is formed of a light transmitting material that acts as a lens for the optic fiber.

44. (Previously Presented) A medical device comprising:
a suction conduit capable of removing material from a body lumen and
configured to provide suction at a distal region of the medical device;

an energy transmitting conduit configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit;

a channel, inserted in the suction conduit, extending along the medical device and enclosing the energy transmitting conduit; and

a barrier positioned beyond a distal end of the suction conduit such that a gap is formed between the barrier and the distal end of the suction conduit, the barrier housing a portion of the energy transmitting conduit;

wherein the size of the gap is configured to limit the size of objects removed through the suction conduit.

45. (Previously Presented) The medical device of claim 44, wherein the barrier is formed at a distal end of the channel and the channel extends through the barrier.

46. (Previously Presented) The medical device of claim 45, wherein a distal end of the energy transmitting conduit extends beyond the channel outside the barrier.

47. (Previously Presented) The medical device of claim 45, wherein the distal end of the energy transmitting conduit is disposed proximal to the distal end of the channel.

48. (Previously Presented) A medical device comprising:

a suction conduit capable of removing material from a body lumen and configured to provide suction at a distal region of the medical device;

an energy transmitting conduit configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit; and

a barrier positioned outside a distal end of the suction conduit such that a gap is formed between the barrier and the distal end of the suction conduit;

wherein the barrier has a curved shape forming a cap at the distal region of the suction conduit; and

wherein the size of the gap is configured to limit the size of objects removed through the suction conduit.

49. (Previously Presented) A medical device comprising:

a suction conduit capable of removing material from a body lumen and configured to provide suction at a distal region of the medical device;

an energy transmitting conduit configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit;

a barrier positioned outside a distal end of the suction conduit such that a gap is formed between the barrier and the distal end of the suction conduit;

wherein the size of the gap is configured to limit the size of objects removed through the suction conduit; and

a discernable pattern of indicia disposed on a distal end portion of the energy transmitting conduit and configured to aid an operator in positioning the energy transmitting conduit during a medical procedure.

50. (Previously Presented) The medical device of claim 49, wherein the indicia comprises a spiral pattern.

51. (Previously Presented) The medical device of claim 49, wherein the indicia comprises a checkered pattern.

52. (Previously Presented) The medical device of claim 49, wherein the energy transmitted is of at least one of the following forms: heat, electricity, light, sound, radio frequency, mechanical force or chemical agent.

53. (Canceled)

54. (Previously Presented) The medical device of claim 58, wherein one of the plurality of channels is an irrigation channel which transfers a cooling agent from an irrigation source.

55. (Previously Presented) The medical device of claim 58, wherein one of the plurality of channels houses a guidewire.

56. (Previously Presented) The medical device of claim 58, wherein two of the channels each house a pullwire connected to a distal end of the medical device configured to enable deflection of the distal end of the medical device.

57. (Previously Presented) The medical device of claim 58, further comprising multiple energy transmitting conduits each conduit housed within a separate channel of the plurality of channels of the medical device.

58. (Previously Presented) A medical device comprising:

a suction conduit capable of removing material from a body lumen and configured to provide suction at a distal region of the medical device;

an elongated housing having a plurality of channels extending along the medical device and radially separated from the suction conduit;

at least one energy transmitting conduit housed within one of the plurality of channels and configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit; and

an optic disposed near the distal end of at least one energy transmitting conduit to assist directing energy toward a distal region of the suction conduit.

59. (Previously Presented) The medical device of claim 58, wherein the optic comprises a lens.

60. (Previously Presented) The medical device of claim 58, wherein the optic comprises a reflective surface.

61. (Previously Presented) The medical device of claim 58, wherein the energy transmitted is of at least one of the following forms: heat, electricity, light, sound, radio frequency, mechanical force or chemical agent.

62. (Previously Presented) A medical device comprising: a suction conduit capable of removing material from a body lumen and configured to provide suction at a distal region of the medical device;

an elongated housing having a plurality of channels extending along the medical device and radially separated from the suction conduit;

at least one energy transmitting conduit housed within one of the plurality of channels and configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit; and

wherein the energy transmitting conduit comprises an optic fiber.

63. (Previously Presented) The medical device of claim 62, wherein the source of energy is a holmium laser.

64. (Previously Presented) A medical device comprising:

a suction conduit capable of removing material from a body lumen and configured to provide suction at a distal region of the medical device;

an elongated housing having a plurality of channels extending along the medical device and radially separated from the suction conduit;

at least one energy transmitting conduit housed within one of the plurality of channels and configured to transmit energy capable of fragmenting, coagulating, or vaporizing material in a body lumen, at least a portion of energy transmitted being directed towards a distal region of the suction conduit; and

a discernable pattern of indicia disposed on a distal end portion of at least one energy transmitting conduit and configured to aid an operator in positioning an energy transmitting conduit during a medical procedure.

65. (Previously Presented) The medical device of claim 64, wherein the indicia comprises a spiral pattern.

66. (Previously Presented) The medical device of claim 64, wherein the indicia comprises a checkered pattern.